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Lightning is flash point for collaboration

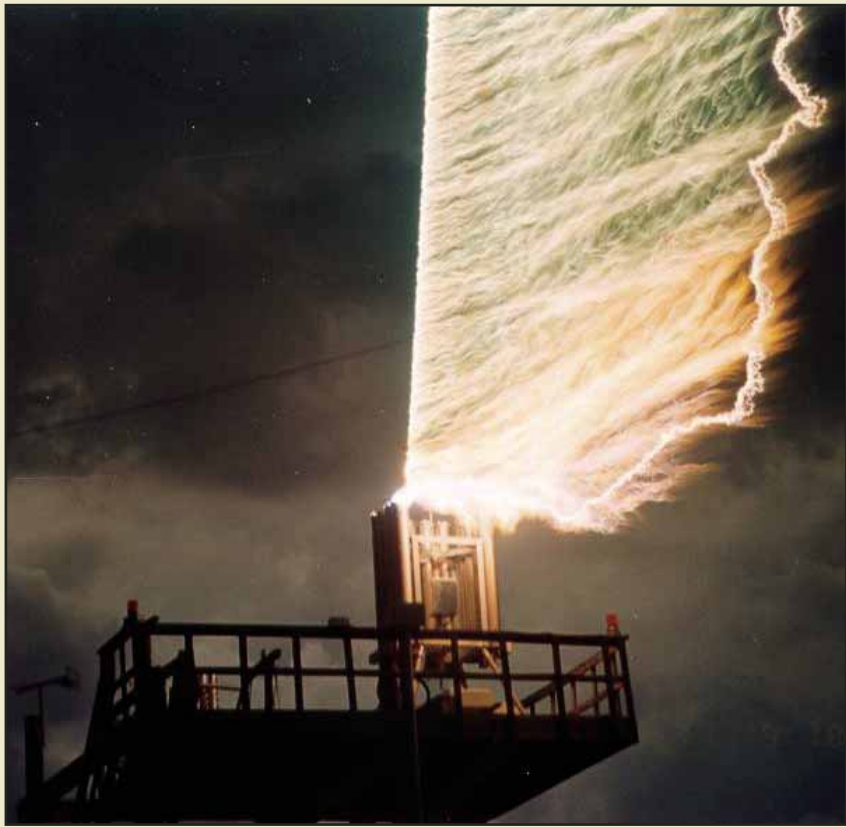
By Anne M. Stark
NEWSLINE STAFF WRITER

The sight of lightning makes some people run for cover. But for Charles Brown and Todd Clancy, lightning makes their hearts pump.

Brown and Clancy, along with Mike Ong of the Defense Sciences Engineering Division (DSED) are working with University of Florida researchers to test and determine the limitations of a new lightning measurement system.

“The idea is to understand the phenomena behind these measurements,” Brown said.

Lightning occurs when rapidly rising air in a thunderstorm interacts with rapidly falling air to create separately positive and negative



UNIVERSITY OF FLORIDA

Lab scientists are working with the University of Florida where researchers create rocket-triggered lightning to study its effects.

charge areas within a cloud. Once the downward negative charges meet up with

See **LIGHTNING**, page 4

Samuel Bodman sworn in as new secretary of energy

Samuel Bodman was sworn in Tuesday as the 11th secretary of the Department of Energy. Bodman was confirmed unanimously by the Senate on Monday, replacing Spencer Abraham who resigned in November.

Tuesday’s private ceremony represents Bodman’s official swearing in, beginning his first day as energy secretary. Bodman will be sworn in by President Bush at a later date.

“It is a great honor and personal privilege to serve



Samuel Bodman

See **BODMAN**, page 7

Expert says domestic terror threat needs to be addressed

By Stephen Wampler

NEWSLINE STAFF WRITER

America has strong capabilities for responding and recovering from terrorist attacks, but the nation needs to devote significantly more attention inside the country toward preventing such attacks.

That’s the view of Paul Stockton, director of the Center for Homeland Defense and

See **STOCKTON**, page 8

Futurist Schwartz to discuss preparing for uncertain future

Peter Schwartz, a preeminent futurist, will present “Preparing for Business in an Uncertain World” from 9:30-11:30 a.m. Tuesday, Feb. 8, in the Bldg. 123 auditorium.

The presentation, another in the Leadership Lecture Series, is sponsored by the Director’s Office in collaboration with the Administration and Human Resources Directorate and is open to all Lab employees. While there is no charge to participate in the program, pre-registration is requested. For more information, call 2-5951.

Following the morning lecture, Schwartz will conduct an executive seminar with the Lab’s Senior Management Council.

During his presentation, Schwartz will discuss how scenario planning is an effective tool for managers and leaders in preparing for the future; how to imagine the future; current trends that might be indicators; and how other

See **LECTURE**, page 7

Pact to help shutdown Russian reactor

The National Nuclear Security Administration (NNSA) and the United Kingdom’s Trade and Industry Ministry signed a Memorandum of Understanding (MOU) to assist the permanent shutdown of the final operating weapons grade plutonium production reactor in the closed nuclear city of Zheleznogorsk, Russia.

Under this MOU, signed in London Jan. 26, the United Kingdom will contribute \$20 million to NNSA’s Elimination of Weapons Grade Plutonium Production Program (EWGPP).

NNSA Assistant Deputy Administrator for Defense Nuclear Nonproliferation James Turner signed the MOU with the United Kingdom’s Minister of Trade and Industry Nigel Griffiths. The U.S. and UK governments are supporting the shutdown of the Zheleznogorsk plutonium production reactor as part of their commitment to the G8 Global Partnership.

“The signing of this MOU is a major step in

our collaborative efforts to address our mutual nonproliferation objectives,” NNSA Administrator Linton F. Brooks said. “When the Zheleznogorsk reactor is finally shut down, there will be one less source of nuclear weapons grade plutonium in the world.”

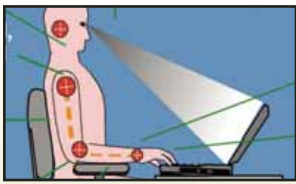
The EWGPP will result in the permanent shutdown of three Russian nuclear reactors, which currently produce weapons-grade plutonium. These reactors, which are the last three reactors in Russia that produce plutonium that could be used for military purposes, also provide necessary heat and electricity to two regions in Siberia. In order to meet these energy requirements, the EWGPP will provide support to the Russian Federation for provision of replacement fossil energy plants. The Russians have agreed to permanently shut down the reactors once replacement energy is provided.



Lab’s ‘JAG’ heads for Guantanamo
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MMED to show the right stuff
— Page 4



KeyMoves: ergo, computer safety
— Page 7



LAB COMMUNITY NEWS

Weekly Calendar

Technical Meeting Calendar, page 4

Monday
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An informational presentation on the **Energy Employees Occupational Illness Compensation Program Act (EEOICPA)** will be held today from noon to 1 p.m. in the Bldg. 361 auditorium. The act was passed to provide compensation and medical benefits to current or former civilian employees who worked at certain government or privately owned facilities where atomic weapons were produced or tested.

Local resource centers have been established to assist employees or their families in filing for benefits under the EEOICPA. The resource centers can provide detailed information about the requirements of the law and assist with the completion of necessary forms. The local center is at 2600 Kitty Hawk Road, Suite 101, Livermore, CA 94551. The phone number is (866) 606-6302.

Tuesday
8

The **Lab's support group for grieving parents** will meet today at noon in the Health Services conference room, Bldg. 663, room 1057. This is an informal opportunity to share challenges and gain support from others who have lost a child of any age. The meetings will be facilitated by Marilyn Governor, an LLNL employee who lost her daughter. Governor will also be available to meet individually with employees who would like support from a parent who shares in these unique circumstances. The one-hour meetings are held on the second Tuesday of each month at noon at the same location. For questions, call 3-6609.

**Up
&
Coming**

Military academy cadets, midshipmen, academy faculty and **ROTC are seeking summer internships**. More than two dozen have already applied and more are applying each day. To aid potential mentors in selecting interns for the coming summer, a new database is now available at <http://education.llnl.gov/internships/mentors/>. Applicants can be viewed by the MARA/ROTC link or by using the search function (i.e., search by major). Leveraged funding is available for the MARA/ROTC program. For more information, contact Barry Goldman, 2-5177 or goldman1@llnl.gov.

Energy Secretary Bodman to unveil DOE budget request

Energy Secretary Samuel Bodman will roll out the **FY06 DOE budget request** during a news conference in Washington DC on Monday at 9:30 a.m., PST. The presentation will be broadcast on Lab TV, Channel 2. NNSA Ambassador Linton Brooks, DOE budget officials and assistant secretaries will be on hand to answer questions from the journalists in attendance.

RETIREES' CORNER

Wayne DeWitt (SSEC 2001) and **Sue DeWitt** (BBRP 2001) had a busy 2004. Wayne is crewing on an old pirate ship, a 100-foot schooner, taking Amelia Island visitors on two-to three-hour tours. She is still volunteering at Baptist Hospital. She took a week in February to meet her sisters, Linda Croft and Terri Reeves, in Cancun. They had a great time catching up and enjoying the beautiful beaches. In April, Wayne and Sue chartered a sailboat in the warm and tropical British Virgin Islands taking their California friends, Gladys and Larry Birdsong on their first sailing trip. It was smooth sailing with good friends. This summer, Sue met up with **Janet Welch** (Earth Sciences) and **Barbara Bryan** (Earth Sciences), for a cruise to Bermuda. They really enjoyed their time together and the cruise was wonderful. Yes, they really do have pink sand in Bermuda. In December, Wayne and Sue, along with **Nort Croft** (Human Resources 2001) and Linda Croft, took a once-in-a-lifetime adventure cruise on the Rio Amazonas, a small riverboat that sleeps 40 passengers, along the Amazon River round trip from Iquitos, Peru, to Leticia, Colombia, and Tabatinga, Brazil. They visited Indian villages, learning about their cultures. Their guide took them on long walks through jungles and rain forests observing unique plants, a large variety of parrots and other birds, poisonous frogs, centipedes and tarantulas. They also encountered amazing wildlife including three-toed sloths, squirrel monkeys, tapirs, jaguars, boas, anacondas, caimans and pink dolphins. One of the highlights of the trip was piranha fishing. Sue was the first to catch a piranha. After returning home, Wayne and Sue took a short cruise to the Bahamas before traveling to California to visit family for Christmas. (E-mail: Suedew513@aol.com)

We received an e-mail from **Tom** (Electronics) and **Joan** (Telecommunications, 1990) **Lincicome's niece**, Roberta Sloat Rackers. She found their name on the Internet in the July 2004 Retiree's Corner, while looking for ancestral information on the family for her son's 7th-grade school project. She lives in Jefferson City, Mo. and Tom is her mom's brother. She was pleased to find that Tom and Joan finally became grandparents. She asked us to say "Hi" from her.

Sam Perone (Chemistry & Materials Science, 1989) has published his third novel, "Ein-

stein's Tunnel." A reading celebrating this event has been scheduled at Altamont Books in Livermore, 1601 Railroad Ave., at 7:30 pm, Thursday, March 3. Refreshments will be served, and the author will discuss his books and welcome questions.

"Einstein's Tunnel" is the third book in a trilogy that includes "The StarSight Project" (2002) and "Crisis on Flight 101" (2003). The first book was set in the Livermore Valley, Livermore Lab and San Francisco. The novels are futuristic, psychological thrillers, describing the adventures of Tony Shane — a computer science professor secretly involved in radical CIA counter-terrorism activities. There are tantalizing technological elements like artificial intelligence and time travel, as well as historical fiction, political intrigue and a healthy dash of romance. For reviews, excerpts, biographical and other information see: www.samperone.com. Sam's books are available online, at Altamont Books in Livermore, and at other independent bookstores in the Gold Country where Sam and his wife Sylvia live.

Dick Eddy (Z Division & NAI, 2000) and his wife, Pat, have been active turning their avocation (playing bridge) into an occupation (working as bridge directors on cruise ships). During 2004, they spent almost five months on cruise ships, visiting Hawaii, Mexico, Bermuda, east and west Caribbean, and just completed a two-month cruise from Beijing, China, to Capetown, South Africa, in December. Don't expect a fast reply as Dick and Pat keep up their "less-than-six-months-a-year-at-home" pace.

The **Travel Group** will meet on Tuesday, Feb. 22, at 2 p.m. in the community room of the Livermore Police building, 1110 S. Livermore Ave. The topic is "The Rockies, Arches and Other Sites of Colorado, Nevada and Utah" by Bob and Juanita Berlo.

There will be a regular **retiree luncheon** at the Elks Lodge in Livermore at noon on Wednesday, Feb. 16. The speaker will be Rose Chaco, vice president of Risk Management and Audits of UNCLE Credit Union. She will discuss identify theft: How to avoid it and what to do if you are a victim.

Please send any input to **Jane or Gus Olson**. E-Mail: AugustO@aol.com or JaneRubert@aol.com. Phone: (925) 443-4349, snail mail address: 493 Joyce St., Livermore, CA 94550.

IN MEMORIAM

Richard Snel

Richard Snel, a retired carpenter at the Lab, died at his home in Livermore on Jan. 28. He was 83.

Snel was born in the Netherlands in 1921. He married in 1946 in the Netherlands and moved to Michigan in 1950, where he was a carpenter and wood pattern maker.

In 1977 he moved to Livermore where he worked as a carpenter at the Laboratory until his retirement in 1987. He was a member of the East Bay Holland Club.

Snel is survived by his wife Corry; daughter Nelly Throop, son-in-law Alan, and grandson Jeffrey of Livermore; brother Jan and sisters Nel Visser and Truus Van Bergen of the Netherlands, and many nieces and nephews.

Donations may be made to Hope Hospice, 6500 Dublin Blvd, Suite 100, Dublin, 94568.

Newsline

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AROUND THE LAB



Matt Edwards of legal takes on role of real-life ‘JAG’

By Don Johnston

NEWSLINE STAFF WRITER

Matt Edwards this week left the Lab Legal Counsel’s office and his view of the Central Drainage Basin for a “sea hut” on the Caribbean at Guantanamo Bay, Cuba where he will provide legal services to servicemembers from the Army, Navy, Air Force, Marine Corps and Coast Guard.

A former lieutenant commander in the Coast Guard, Edwards said: “I didn’t realize how busy I would be,” when he signed up to be a “weekend warrior” with the California National Guard.

“I’m excited about it,” he said. “I’m prepared. I have experience in the military and the Army National Guard has trained me well.” Edwards will be a member of the U.S. Army Judge Advocate General’s Corps, or JAG, providing basic personal legal services, and command legal advice to those assigned to Joint Task Force Guantanamo.

“This is something I’ve really wanted to do,” he said. “When I see the sacrifices other people have made, I determined that I would mobilize if I was needed to serve our country in this way.

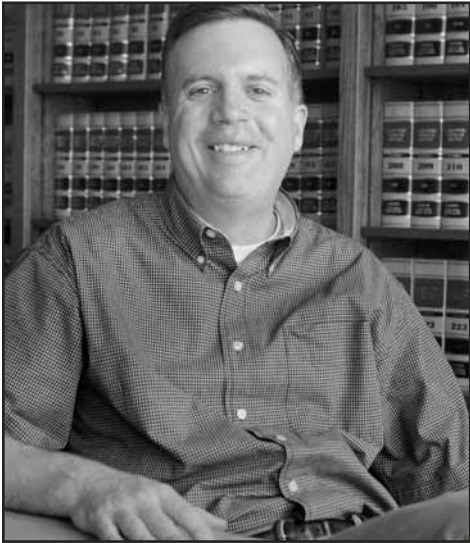
“I’m looking at it as a professional growth

opportunity. From a lawyer’s point of view, there are a lot of interesting legal issues and constitutional issues that are raised with regard to the war on terrorism every week.”

A specialist in contract law, Edwards works with LLNL’s Procurement and Materiel Department. “This is going to be really interesting,” he said.

Edwards anticipates his assignment will require some adjustment. “We’re not allowed to bring much with us,” he said, adding he’s limited to three duffel bags for his uniforms, combat outfit and personal belongings.

He’ll work in a sea hut 100 yards from the beach, but like others serving on the 35-square-mile-base he will have limited use of phones and not be allowed visitors. “It’s pretty isolated. It will be hard because I’m an information junky, and of



JACQUELINE MCBRIDE/NEWSLINE

Matt Edwards

course I will miss my family and friends,” Edwards said with a smile. “However, I expect, I’ll be really busy with military issues, and I have made many friends in the artillery and cavalry units I’m being mobilized with.”

Preparations for his one-year assignment have been a challenge. “The personal disruption is more than I expected,” he said, noting he has had to make arrangements, undergo training and keep up with his job. “In some ways it’s also more difficult when you’re single because you don’t have immediate family to take care of the details of

maintaining a home, paying bills and taking care of finances.

“But, I feel fortunate,” Edwards said. “Laboratory Counsel Jan Tulk, my colleagues and the Laboratory have been very supportive.”

Celebrating Black History Month

Black History Month videos

In celebration of Black History Month, the Worklife Programs office is presenting videos throughout the month. They begin at noon in the Bldg. 361 auditorium. For more information, contact Lisa Rashidi, 3-7473.

Tuesday, Feb. 8: Race - The Power of an Illusion. Episode two: “The Story We Tell.”

Thursday, Feb. 10: Race - The Power of an Illusion. Episode three: “The House We Live In.”

Tuesday, Feb. 15: “John Henrik Clarke: A Great and Mighty Walk, Part I.” This documentary, chronicles Clarke’s life via an interview with the 80-year-old professor emeritus of Hunter College in New York as he recounts highlights of black history.

Wednesday, Feb. 16. Special presentation:

Noon, Bldg. 671, room 2301, “Personal Encounters with the Rev. Martin Luther King Jr.” by Barry Schrader, Archives and Records. Schrader will share the recording of the 1968 event when King came to the valley to meet with Joan Baez and Ira Sandperl, who were incarcerated in Santa Rita Jail. He first heard King speak at a Southern Christian Leadership rally at Soldiers Field in Chicago while in college.

Thursday, Feb. 17. “John Henrik Clarke: A Great and Mighty Walk - Part II.”

Valentine fund-raiser

The Association of Black Laboratory Employees (ABLE) will conduct a Valentine’s Day Scholarship fund-raiser on Monday, Feb. 14. For a \$12 donation, you’ll receive: stuffed animal Valentine’s Day gift; an 18-inch mylar ‘Happy Valentine’s Day’ balloon; and a See’s chocolate truffle in a



decorative box.

Only a limited number of items will be available and pre-orders must be placed by Thursday, Feb. 10. Contact Gennetta Byrd at byrd2@llnl.gov or 3-0342, Lisa Rashidi at rashidi2@llnl.gov or 3-7473, or Jennifer Nelson-Lee at nelsonlee1@llnl.gov or 2-5750 to place orders.

Pickup will be on Monday, Feb. 14, in Bldg. 671, room 2310 (Topaz) between 11:30 a.m. and 1 p.m. There will be a variety of Valentine’s Day gifts to choose from. Come early for best selection. A payment of cash or check (payable to ABLE) can be made upon pickup. This event is supported by the LLNL Worklife Programs Office.

BRIEFLY

Science and Engineering Fair needs judges

The ninth annual Tri-Valley Science and Engineering Fair needs scientists and engineers to help judge student projects on Thursday, March 17. LLNL is a major sponsor of the Tri-Valley Science & Engineering Fair.

“One of the main highlights for the students is having the opportunity to discuss their research with professionals,” said fair director Christine Mixan.

Judges are needed from 7:30 a.m. to 1:30 p.m. on Thursday, March 17 at the San Ramon Valley Conference Center in San Ramon. To volunteer, contact Connie Ruvalcaba-Olson, 4-4640.

Salary listings available

Employee salary listings are now available in

the Benefits Office. There is no charge for the listings but there is a limit of one per customer. The Benefits Office is open from 8 a.m. to 4:45 p.m.

Return to work safely after absence

Lab policy (ES&H Manual, Document 10.1, section 9.2) requires employees, after absence of five or more consecutive workdays due to illness or injury or after hospitalization or surgery, to be seen by the Health Services Department before returning to work. The long-standing requirement is important to assuring workplace safety for the returning employee and their co-workers.

Sometimes people forget about this requirement. Health Services has implemented a new automated process to notify employees and supervisors of the review requirement before returning to work. E-mails are sent to the supervisors of employees who have been off work on employee sick leave or Workers’ Compensation for five or more consecutive workdays, as identified by LITE. Follow-up e-mails are sent to

employees when they have returned to work, reminding them of the need to be seen in Health Services. This notification process will ensure that employees experience a safe and successful transition back to work. This process is effective the week of Feb. 7.

For information about the Return to Work Program, contact Sandy Ohlson, RN, HSD nurse case manager, 2-0706, or visit the RTW Program Web site: <http://www.llnl.gov/health-serv/rtw/index.html>

Postdoc networking group coffee break

A postdoc coffee break is scheduled for Thursday, Feb. 10, at 3 pm in Bldg. 219, room163 (a foreign national friendly building). Come along and network with postdocs from across the Lab over coffee and cookies. Please register, for catering purposes, at <http://step.llnl.gov/postdoc/> if you would like to attend. All postdocs welcome. For additional information, contact Colleen Elso at 3-8594.



NEWS YOU CAN USE

MMED to offer tours of capabilities

The Manufacturing and Materials Engineering Division (MMED) in Engineering will conduct a series of tours of its fabrication and testing facilities for interested employees. Each tour will last approximately 2 1/2 hours. The goals are to:

- Inform people about the breadth of manufacturing, fabrication, and materials test capabilities in MMED.
- Give people a chance to meet some of the points of contact.
- Provide background on when to use MMED services.

MMED serves Laboratory programs by providing three basic

capabilities: Fabrication and assembly of components; nondestructive and destructive characterization of materials; and the design and construction of some of the world's most precise machines.

Tours will be offered every other month for as long as there is interest. If you are interested in participating, call Diane Martz at 3-1981, or email martz3@llnl.gov to reserve a spot. Be sure to indicate if any employees without a Q clearance will be attending so escorts can be arranged. Each tour will be limited to 20 people.



Senior Machinist Carlos Castro of the Target Fabrication Group within MMED performs a precision turning operation on a 4 axis CNC Moore nanotech diamond turning machine, located in the Target Fabrication Facility, Bldg. 432.

LIGHTNING

Continued from page 1

the upward positive charges, a continuous path between the cloud and ground is formed where the charge is dumped to create sparks (lightning).

Lightning is currently measured by its electrical current over time. The newer measurements, conducted by British researchers David Newton and Malcolm Jones, use a system that calculates only the simple peak current flowing through a conductor. The system is especially handy when measuring peak currents on a large number of conductors in buildings.

"It's an inexpensive measurement system, but we need to understand its limitations," Brown said.

One year ago, Clancy and Brown began conducting safety measurements at Site 300 on buildings that house high explosives (HE) to ensure that the explosives, buildings and personnel would be safe in a lightning storm.

"In every facility that houses high explosives we were doing the number crunching to figure out what would happen if it got struck by lightning," Clancy said.

Buildings made of concrete reinforced with rebar are generally safe from a lightning strike because the charged particles would travel evenly through the metal rebar to the ground, thus reducing the field levels inside. Brown and Clancy said most of the buildings tested at Site 300 are made of concrete and rebar so their job was to determine a safe distance for personnel to stay away from the walls during a lightning storm.

Certifying the Site 300 buildings as safe from a lightning strike will save the Laboratory close to \$250,000 a year, Clancy said.

Though the Site 300 project is nearly complete, Brown, Clancy and Ong continue to look into new ways to protect Lab buildings from the punch of thunderstorms.

Because lightning strikes are unpredictable, Brown began working with scientists at the International Center for Lightning

Research and Testing at Camp Blanding, Fla., where they can test the simple peak measurement system on man-made lightning. At the Florida site, lightning is triggered by shooting a rocket with a trailing grounded wire at an overhead thundercloud. These experiments can be routinely performed and the resulting lightning studied.

Florida scientists have succeeded in triggering lightning during each thunderstorm season for the past 11 summers.

Though most people stay away from lightning as temperatures can exceed 50,000 degrees Fahrenheit, triggering lightning with the rocket and wire technique allows researchers to capture lightning to measure its current.

Livermore's Brown expects to work with the University of Florida during the next year to better understand lightning and its safety challenges.

"The University of Florida work is going to be really interesting because there's going to be an opportunity for some science," Brown said.

Technical Meeting Calendar

Friday
4

INSTITUTE FOR GEOPHYSICS AND PLANETARY PHYSICS
"Spin Transition in Earth's Mantle," by Raymond Jean-Loz, UC Berkeley. Noon, Bldg 319,

room 205. All attendees need to be badged. Contact: Wil van Breugel, 2-7195, or Lisa Lopez, 3-0250

Monday
7

LAWRENCE FELLOWSHIP CANDIDATE SEMINAR
"Finding the Quark-Gluon Plasma in the Little-Bang," by Denes Molnar, Ohio State University. 10 a.m.,

Bldg. 219, room 163. Contact: Rich London 3-2021, or Cheryl Kuks, 3-5643.

Tuesday
8

GLENN T. SEABORG INSTITUTE SEMINAR
"Frontiers in 40Ar/39Ar Geochronology: Sharpening the Pencil of Our Most Diverse Dating Method," by Paul Renne, UC

Berkeley, Earth and Planetary Science Department. 11 a.m., Bldg. 151, room 1209, Stevenson Room. Property protection area. Foreign national temporary building access procedures apply. Contact: Nancy Hutcheon, 2-1748.

WEDNESDAY
9

LAWRENCE FELLOWSHIP CANDIDATE SEMINAR
"Band Edge Optical Properties of GaInNAs(Sb) and the Relation to Atomic Structure," by Vincenzo

Lordi, Stanford University. 10 a.m., Bldg. 319, room 205. Contact: Rich London, 3-2021, or Cheryl Kuks, 3-5643.

ENERGY AND ENVIRONMENT/ATMOSPHERIC SCIENCE DIVISION

"High-tech Renewable Energy for Climate Stabilization," by Marty Hoffert, New York University. 11 a.m., Bldg 170, room 1091. Property protection area. Foreign national temporary building access procedures apply. Contact: Sharon Mickels, 3-9279.

HEALTH SERVICES DEPARTMENT/HAZARDS CONTROL DEPARTMENT
"Introduction to Nanomaterials Health and Safety," by Peter Lichty, Lawrence Berkeley National Laboratory. Noon, Bldg. 361, auditorium. Contact: Janie Philips, 3-6903.

Friday
11

INSTITUTE FOR GEOPHYSICS AND PLANETARY PHYSICS

"The Composition, Origin and Evolution of Dust in Circumstellar and Interstellar Environments," by A.G.G.M. Tielens. Noon, Bldg. 319, room 205. Property protection area. Foreign national temporary building access procedures apply. Contact: Wil van Breugel, 2-7195, or Lisa Lopez, 3-0250.

The deadline for the next Technical Meeting Calendar is noon, Wednesday.

Science series starts by shedding light on lasers

Lasers, forensics, genomes, stars and astronomy make up the slate of fascinating science topics geared for local students in middle school through high school when the Lab’s “Science on Saturday” lecture series returns Saturday (Feb. 5).

Topics are selected from the forefront of LLNL science and technology research in a variety of disciplines and will appeal to a wide range of science interests.

“Science on Saturday connects students with advances in science. But more importantly our scientists communicate their passion for science. It’s the passion, I believe, that ignites a student’s interest in science,” said Richard Farnsworth, the Lab’s Science and Technology Education Program (STEP) manager.

Each presentation in the series is a collaboration between a Lab scientist and a science teacher and is aligned with California Science Standards.

Kicking off the first of five consecutive Saturday sessions is “Juggling the Power of Light: How Lasers Work,” presented by Lab physicist and National Ignition Facility (NIF) project manager Ed Moses and Los Gatos High School teacher Dan Burns.

The first lecture also kicks off the Lab’s year-long celebration of 2005 as the “World Year of Physics,” commemorating the 100th anniversary of Albert Einstein’s miraculous year in which he published three important papers describing ideas that continue to have a profound effect on science and technology.

The lecture will explain the operation of the

high power laser at NIF, the world’s largest laser. In addition, the audience will learn how a laser works. Audience members can participate in demonstrations using small lasers combined with the art of juggling.

Topics to be covered during the talk include: energizing the laser; changing beam direction; synchronizing multiple beams; and changing the color of laser light. Presenters will explain the real difference between flash lights and laser beams.

Students will receive a free color NIF poster and teachers will receive the power point presentation from the talk.

Also featured again this year is “Science Chat,” a unique enhancement activity that was introduced last year. “Science Chat” invites students to “stay after school” for an hour to talk with scientists. Space is limited to 40. To guarantee a seat in “Science Chat,” pre-register on the Web at: <http://education.llnl.gov/sciencechat/>.

All lectures are free and held at the Amador Theater located at 1155 Santa Rita Road, Pleasanton. SOS lectures start at 9:30 a.m. and end no later than 11:15 a.m. Seating is on a first come, first serve basis and there is no pre-registration for SOS. Directions and maps are available on the SOS Website at <http://ep.llnl.gov/sos/>

“Science on Saturday,” is presented by LLNL’s Science and Technology Education Program, and Sigma Xi, Livermore Chapter. For additional information contact Richard Farnsworth at 2-5059.



February 5: “Juggling the Power of Light: How Lasers Work,” presented by Ed Moses, LLNL physicist and Dan Burns, Los Gatos High School teacher. Participate in demonstrations that explain topics such as energizing the laser, changing beam direction, synchronizing multiple beams, and changing the color of the laser light.

February 12: “Inside Forensics: Behind CSI,” presented by Allen Christian, LLNL biologist and Kirk Brown, Tracy High School teacher. Learn how scientists work with law enforcement to develop new technologies that keep crime scene investigation on the cutting edge.

February 19: “Decode this: Decoding Genomes,” presented by Elbert Branscomb, LLNL scientist and Frankie Tate, Granada High School teacher. Explore what genome sequences are, how they can be interpreted and deciphered and what mysteries we can solve by doing so.

February 26: “Plasma Spectroscopy - Fingerprinting the Universe,” presented by Don Correll, LLNL physicist and Dan Burns, Los Gatos High School teacher. Learn about spectroscopic measurement of light, the latest research findings of fusion energy experiments and how to construct your own spectroscope.

March 5: “From the Big Bang to California: Observations of the Universe,” presented by Wil van Breugel, LLNL astrophysicist and Tom Schfler, Granada High School teacher. Learn about some of the most recent discoveries in astronomy. Find out what is done at LLNL to help understand how super-massive black holes play an important role in the formation of galaxies.

Berkeley medical director will discuss the hazards of nonamaterials work

Unique properties of materials and structures recently created at the nanoscale have excited interest in possible applications of nanomaterials, and concerns about potential health effects of exposure to these materials.

In a talk sponsored by the Health Services and Hazards Control departments and titled “Introduction to Nanomaterials Health and Safety, Peter Lichty, site occupational medical director at the Lawrence Berkeley National Laboratory, will present an overview of some of the types of particles being created, and a review of nanomaterial toxicology lessons learned from past exposures to natural and manmade nanoparticles.

The potential byproducts and exposures associated with production also will be assessed. Draft handling guidelines will be presented and their rationale discussed. The talk will be Wednesday, Feb. 9, from noon to 1 p.m. in the Bldg. 361 auditorium.

Peter Lichty has a long-standing interest in the health impacts of new technology. As a member of the Centers for Disease Control’s (CDC) Epidemic Intelligence service assigned to the National Institute for Occupational Safety and Health (NIOSH), he led several health hazard evaluations into new health effects or concerns associated with the introduction of new technologies. While working at IBM, he helped develop policy on handling newly developed high-temperature superconductor materials. As LBNL medical director, he has participated in the drafting of Tri-Lab guidelines on the safe handling of nanomaterials.

Join your co-workers in fighting cancer



Purchase a bunch of freshly cut daffodils (10 stems) for \$10.
A vase is available for an additional \$8.

**The deadline for an LLNL order is Tuesday, March 1.
Delivery will be on Tuesday, March 22.**

Money from this American Cancer Society-sponsored event will go to research, education and patient services.

Check the list below for the LLNL Daffodil Days volunteer nearest you who is accepting orders.

Name	Bldg.	Rm.	L-code	Phone	Name	Bldg.	Rm.	L-code	Phone
Barnes, Tracey	111	501R	L-001	3-9060	Nelson-Lee, Jennifer	5426	1009	L-621	2-5750
Bell, Christine	543	2075	L-640	3-9447	Olund, Cindy	131	2075	L153	2-3668
Berkich, Tracy	071	1020	L-102	2-8246	Owens, Cinda	191	2235	L-282	2-3392
Bireley, Kathy	543	Lobby	L-638	2-8431	Pope, Kathy	551W	2203	L-660	3-1015
Bradbury, Diana	132N	2817	L-090	2-1746	Quick, Bonnie	451	1041	L-561	2-6510
Breznik, Joanne	551W	2387	L-662	2-9952	Ray, Karyn	6526	1010	L-797	3-3106
Conrad, Janet	453	2155	L-073	2-7561	Raziano, Donna	1878	110	L-278	2-8517
Continente, Jenifer	113	5008	L-066	2-6644	Rutan, Dena	253	1536	L-384	3-0696
Delage, Lori	511	100E	L-601	4-2601	Sarlund, Nancy	140	2002	L-389	2-5072
De Marco, Barbara	142	1310	L-210	4-2272	Schuld, Joni	Accounting Representative			2-4168
Emmrich, Shirley	551E	1090A	L-654	2-6206	Sefcik, Cookie	121	1013	L-051	3-2242
Fread, Lanette	411	1422	L-518	2-9288	Shuler, Jean	113	1030	L-067	3-1909
Giannini, Julie	253	1505A	L-382	2-5129	Sorensen, Nanette	2925	101	L-397	2-9670
Grandfield, Charlene	5475	1359	L-633	3-1779	Springer, Frankie	111	332	L-016	3-6192
Greenfield, Jodi	170	1079	L-103	4-6460	Sprott, Kirsten	Co-Chairman, Daffodil Days			4-4822
Harrison, Jaquie	481	2055	L-488	2-2823	Thompson, Michelle	871	124	L-871	3-1180
Homer, Nadine	Co-Chairman, Daffodil Days			3-9051	Twiss, Carol	571/671	1138	L-725	2-9395
Jackson, Sandy	361	1579	L-441	2-9308	Watt, Maggie	335	1130	L-361	4-6247
Lindsay, Karen	321A	2100	L-337	3-5028	Weyburn, Sandy	551E	221E	L-657	2-0840
Mahler, Florann	111	403	L-019	2-9173	Williams, Anita	132N	2254	L-170	2-4550
Miller, Margie	314	1216	L-432	3-0265	Yazzie, Darlene	132S	2322	L-182	3-7846
Moy, Jenny	663	1201	L-723	2-0778	Ybarra, Corinne	482	2158	L466	3-9501
Navarra, Monica	1401	1011	L-200	2-0207					



CLASSIFIED ADS

See complete classified ad listings at
<https://www-ais.llnl.gov/newsline/ads/>

AUTOMOBILES

2000 - Volvo V70 XC/R 4wd auto white wagon. Garaged & dealer serviced. Excellent condition with 70K miles. Price \$19,900. Please call 925-454-1033 or 209-599-3285

1992 - GMC TYPHOON, 4.6 litre V-6 TURBO, All Wheel Drive, rare collectible, leather interior, low blue book value over \$15K, first \$9500 takes it as-is 925-455-6174

2001 - Must SEE Acura MDX. Black on Black. Classy, fully loaded! 59K miles (60K svc. complete) \$30K or Make offer. 209-275-3294

2001 - BMW 330ci 2D conv., silver, 5spd w/nav., premium & sport pkg., 6CD, 60K mi., exc. cond., \$29,500 925-846-3278

1965 - Ford Mustang, Springtime yellow,excellent condition,auto, ps,pdb,air,am/fm cassette. Rare bench seat model.Must see. \$10,000 bo. 209-823-3848

2003 - 2003 Yukon XL Denali, Loaded, Low Mileage 925-449-9295

1993 - J30t 113K mi. \$5K Very good condition, Auto, PS/PW AC, black, leather, spoiler, premium wheels, orig owner 925-846-8919

1985 - Toyota Corrola good condition, good commuter, 161K miles, \$1500 obo, call after 3:00pm 510-471-2177

1998 - Nissan Pathfinder XE great cond 4x4 117k miles recent clutch & timing belt 7800obo or trade for full size GMC/Chev 4x4 truck 3128-5 408-712-1730

2004 - Jeep Grand Cherokee Laredo, 15K mi, CD Player, Cruise Control, Tinted Windows, Blue Book \$18,200, Must Sell - \$17,000 OBO 925-443-9424

1987 - Toyota 4Runner SR5 Red 3-in. body lift 4cyl. 5-speed, 4wd, Excellent condition, 36K miles on rebuilt engine. Roof racks, new brakes.\$3,500 OBO 209-835-1877

1991 - Mazda MPV, 135K mi, 6 cyl, all power options, well maintained, great commute & family car, original owner - \$1900.00 415-543-3643

1997 - 2 cars for sale. T-bird and Eldorado. Both in excellent condition. Both have very low miles. A must see. 510-582-2938

AUTOMOBILE ACCESSORIES

15 inch TIRES: Two 235/75/15 good tread, one mounted on 6 bolt rim \$25/ both. Livermore. 925-447-7070

Brush bar, black, for Ford F-150 or Expedition \$99 925-964-9406

BICYCLES

Mongoose XR200 21 speed, 26 inch mountain bike with front disk brake and front and rear shocks,

\$200 925-377-6537

Boys 16 inch red bicycle, Boys 12 inch bicycle with training wheels. \$10 each or B.O. 925-454-0877

Bike frame. 56cm.Reynolds 531 tubing. Fork included. Electric neon lime green powder coat. \$100 925-373-6255

BOATS

35HP electric start outboard older model Evinrude. Includes gas can and lever throttle on long cable. \$300 OBO 925-516-2570

1974 Kona jet boat18 ft, 455 olds, runs great, \$3200 510-278-9736

CAMERAS

Sigma 28-200 zoom lens (up to 4x), Nikon mount, \$120. 925-377-6537

ELECTRONIC EQUIPMENT

Sony montior, cables, keyboard, speakers. 45.00. HP color printer with new ink refills. Have too many printers, 55.00. 510-537-7222

Printer/Fax/Copier/Scanner. Canon MultiPASS C555 color bubble jet, plus manuals, extra ink cartridges, and paper. \$150 OBO. 510-483-1666

Epson Sytlus C86 color printer,new Nov 04,\$50. 925-447-8551

Dell 4500S computer--1.8 GHz, 128 MB SDRAM, 20 GB HD. Includes CPU, 15 inch monitor, keyboard, mouse, Windows XP and software. \$300. 925-846-3653

Nintendo Game Cube - Platinum Edition; 3 Controllers, 5 Games, 1 Memory Card. VERY good condition, rarely used. Call for info. 925-449-3855

Marantz model SR585 receiver for home theater. Includes 5.1 sound, Dolby Pro Logic, AM/FM, and multiple outputs for video etc. 925-484-0734

TIVO, 20hr w/remote, works great as stand alone or subscribe to service, perfect condition. \$40 925-980-9336

Advent 201 Dolby Cassette Recorder/Player w. Manual and 25 MicroSecond Dolby Recording Switch; Excellent Condition, \$60 510-865-2997

GIVEAWAY

Double bed mattress set and frame. Excellent condition 925-964-9406

High quality UHF HDTV Antennas (2 long, 1 med range). 19 inch Sony Multisync computer monitor. 925-443-9182

FREE Sturdy moving boxes 925-243-1006

HOUSEHOLD

White tubular metal sofabed frame. You add the futon. Make reasonable offer. 925-516-2570

CARDBOARD BOXES, STURDY for moving/storage, folded flat for easy loading: 40 for \$50 925-447-7070

Dinette table. Light woodgrain laminate top with solid wood legs. 54 by 36 inches with 12 inch pop-up leaf. Only 7 months old--great condition. \$200. 925-846-3653

Solid Oak Cheval Mirror in natural finish. Elegant and in great condition. 64 inches tall. \$60.00 925-447-9647

Whirlpool chest freezer, model EH070F, 7CU ft. capacity 245lb, excellent condition price \$100.00 925-606-9847

MAHOGANY buffet/credenza, 84x30 inches. In great shape, \$250. Also 78 piece Noritake china setting for 12, Cheramy pattern, \$750. 925-449-7888

Twin size pop-up trundle with link spring. Good mattress included. \$50. 925-426-8452

Waterbed, queen size with waveless mattress, captain drawers. Good for teenagers 925-449-9295

4 upholstery seat, wood dining chairs \$45 all 925-735-6002

Rolltop desk for sale. Perfect conditions. Like new. Payed \$1100, asking \$600. Located in Berkeley, U-HALL. 510-540-6260

Portable Holmes digital oil filled heater, digital thermo w/3 heat settings, 2 feet tall x 4 inch wide. New in box. Paid \$50. \$30. 925-648-0671

Dining table, maple, oval, 44 inches wide, 60 to 88 inches long, very good condition, \$200 or best offer 925-443-3326

Arch lamp for your family room, \$20.00. T-fal griddle for the kitchen, totally unused, \$25.00 925-455-6044

Dishwasher, Portable Kenmore, barely used mint condition, white with grey top, \$250 obo 209-833-6213

NICE/NEW solid Oak China Cabinet pd\$975, sell \$650, solid oak rnd table w/4 chairs(med oak)\$325 pics avail(530)682-7758 209-543-0572

4 Breuner chairs with arm rest, like new \$60 for set of 4. 415-543-3643

Oak roll top desk! Very good cond. Call for details! 209-847-8264

Dryer. Kenmore, heavy duty electric dryer. Mint condition! \$100 925-373-6255

LOST & FOUND

LOST Womens frameless prescription glasses in or around Building 319. Call ext. 3-0633, or 925-209-4864

MISCELLANEOUS

AZUSA-AZ3552 Go Kart Kit. Complete except for engine/clutch. New in original boxes. \$555 new plus s/h - asking \$375. 925-443-9182

Preschool toys, games, puzzles, videos, software also boys clothes sz. 4/5. Great condition, low prices. 925-454-0877

Portable heater, Black & Decker w/adjustable thermostat, 2 heat settings with fan, 25 x 17 high. New in box. Paid \$40. \$25 925-648-0671

Moving Boxes - Medium and Large Boxes, ~40 boxes available. \$35. Excellent condition for packaging. Will deliver to LLNL or you can pick up in Tracy. 209-832-1982

MOTORCYCLES

2000 - 883C Sportster, lots of extras, Thunderheader pipes, lowered, windshield, Corban seat. excellent condition....10,500K miles...\$6800.00 209-599-9594

1998 - Suzuki DR350S Dual Sport, 6500 ml, 4 gal tank, elec. start, excel cond,saddle bags, \$3K 209-832-4535

MUSIC INSTRUMENTS

Baldwin Acrosonic spinet piano (vintage ca. 1950). Good for student. \$350 OBO. 925-455-6434

Drums. Mapex, Pro M series. Emerald green lacquer stain. 4 toms and bass only. Call for details. Immaculate condition. \$1000 925-373-6255

PETS & SUPPLIES

Gentle horses good for all ages . 1,000-1,500 925-784-1400

Black lab male puppy, 10 mo. old. House-broken. Sweet disposition, loving. Free to good home. 925-625-0520

Free Boarder Collie Puppies. Born first week of Jan. 2005. Black/White some s/hints of brown. Call 925-447-9383 during the day. 209-832-7655

RECREATION EQUIPMENT

WakeBoard + Bindings. Neptune GTO (142cm) board, LiquidForce MultiMount (Large) Bindings. Board \$75. Bindings \$75. Both \$125 209-983-1575

Olympic flat bench. mega flat bench.Unused! \$125 925-373-6255

Boys MotoX GMax helmet small, Alpine boots sz.7, Thor pants/shirt sz.12-14, Thor chest/shin/elbow protect, gloves, all excellent condition \$140 925-683-7795

116 Rossignol kids snowboard w/bindings! \$60 Santa Cruz boots sz7, \$20 209-848-1138

RIDESHARING

Express your commute, call 2-RIDE for more information or visit <http://www-r.llnl.gov/tsmp>.

Berkeley - Looking for rideshare M,T Th,F Start time: btwn 7:30 - 8:30 Leave LLNL: btwn 4:45 - 5:45 Vanpool or carpool 510-717-2891, ext. 3-6608

Valley Springs - Seat available in car pool. Take turns driving. Leaves Valley Springs at 4:55. Work hours AWS 7:00-4:30 209-772-0151, ext. 3-7709

Martinez - Car pool looking for a 4th member. Leaving Martinez/PH area between 6:30-7:45. Leaving lab after 4:30 925-200-1370, ext. 3-7857

SERVICES

AWARD-WINNING ARTIST offering finest MURAL Painting in your home. Also painting Portraits. 55 Yrs experience. 925-449-6113

ClutterLess(CL) Self Help Group. Clutter stressing you out? Mondays 7-8:30 PM. Come: Pleasanton Presbyterian, Rm 7, 4300 Mirador Drive, or call 925-443-0766

Expert painting. Exterior, interior. Attention to detail. 25+ years. Free estimates. Low season rates now. 510-537-7222

Landscape-Sprinkler Installation, call for estimates. 925-980-2247

Fences, Decks, general handyman over 10 experience. 209-833-3325

SHARED HOUSING

San Ramon - 4bed/2ba in a quiet court close to 680/580. Phone, TV cable, W&D, and wireless cable modem ready. Share utilities. Month-to-month lease. 925-518-4939

Tracy, CA - Room for Rent - 3bd/2bath house. \$600/month + 1/2 utilities + deposit. 209-835-8249

TRUCKS & TRAILERS

1998 - Suzuki Sidekick nJS Sport 4x4. White SUV, 5sp, PW, PL, and LTR. Great condition with 51.5k miles. Configured for flat tow. Price \$6,500. Call 925-454-1033

1970 - Chevy C10 2wd,New interior,rims& tires, new wheather striping,Air Ride suspension,headers & flowmasters, .Must sell, 4,800 O.B.O 925-525-4276

1996 - Ford Ranger LX, extra cab, long bed, automatic V6, cassette, AC. Reliable work truck. Good running condition. Call for details. 510-537-7222

1995 - Ford F150 LX truck, white color with commercial utility shell. V6, 110K miles, \$3,000. Great condition. 925-371-0507

1980 - Dodge Ramcharger 4x4 360 4bl, removeable hard top with soft top, runs great,straight body,needs some tlc \$800. 510-278-9736

1986 - F150 Ford4x4, ext.cab/long bed/shell. 302V8/auto/OD, 141K/miles. Runs well, good interior, bad paint. PW/PL. New FB/WP. AC uses Freon134A. \$3200/BO. 925-447-6469

Preventing workstation injury by making those 12 KeyMoves

By Dale Sprouse
TID

It’s a new year, a time for making resolutions that will bring positive changes to your life. And, if you are a Laboratory employee, it’s time to take advantage of a revamped Web-based course called KeyMoves.

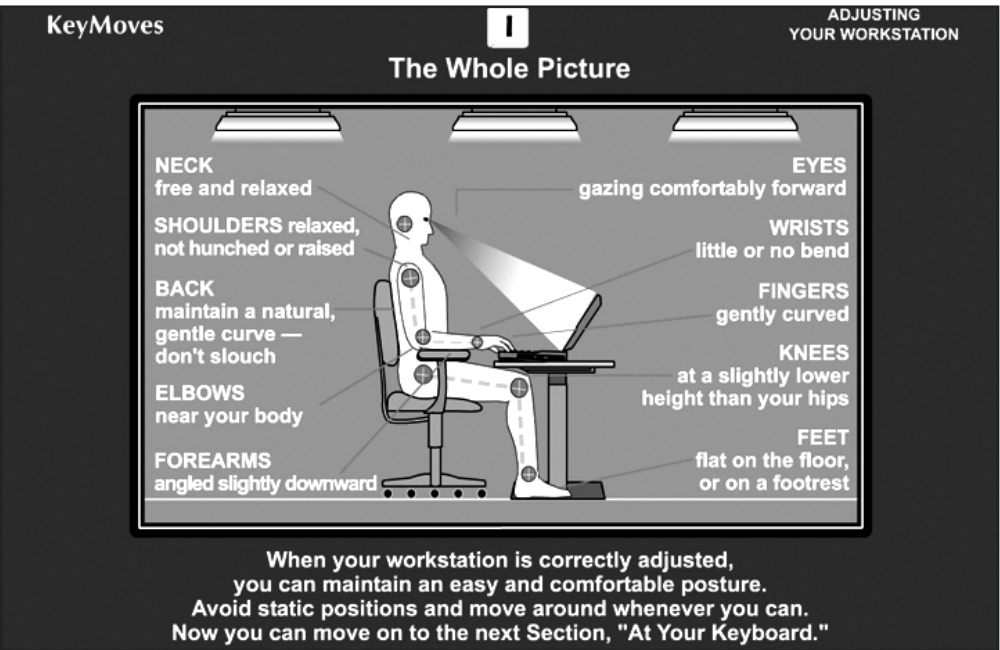
The course provides tips for optimizing your workstation as well as 12 “Golden Rules” for optimizing hand and finger positioning on your keyboard.

KeyMoves, Hazards Control course HS5316–W in the Lab’s course catalog, was recently revised by the Laboratory’s Ergonomics Committee to help employees use a desktop or laptop computer more efficiently and comfortably.

Although most people use a computer in their work, few have received training on how to use them safely, say committee members. Many employees with repetitive motion or musculoskeletal injuries of the hands, fingers, wrists, arms, shoulders or neck had developed keyboarding habits that contributed to their injuries. In 2004, 56 employees suffered from musculoskeletal disorder injuries that resulted in treatment beyond first aid.

Melanie Alexandre, Hazards Control’s ergonomic subject matter expert, is recommending KeyMoves for employees using laptop computers, which are not ergonomic by design and should be used with docking stations. The latest version of the course includes a section addressing ergonomic issues involving laptops.

Alexandre also is encouraging employees



who are desktop/laptop computer users to take or review the new version of KeyMoves, even if they took a previous version of the course. Course sections have been updated to reflect the latest ergonomic knowledge.

Employees scheduled for an ergonomic evaluation also should take the class before their evaluation so they can better understand the evaluator’s recommendations, Alexandre says.

Updates to KeyMoves, in addition to the new laptop section, include:

- Optimal keyboard tilt angle.
- Optimal monitor viewing distance.
- Optimal armrest positioning for support and maximizing arm movement.
- Ways to reduce glare.
- Positioning a copyholder and using lumbar cushions. (Before using lumbar cushions consult with Health Services because the cushions can create problems if not used properly.)

- Positioning shoulder, elbow and forearm.

Taking KeyMoves is important, said Alexandre, because it can help you avoid repetitive motion injuries, which account for a significant amount of the Laboratory’s lost work time injuries.

“Repetitive motion injuries usually do not occur overnight,” said Alexandre. “They result from repeated exposures until the body can no longer stand up to the stressors of the exposures.”

Alexandre likens a body that has been subjected to repetitive motion stressors to a car that has not received proper maintenance. The body, like the car, will continue to function for a short period of time, but with the onset of problems, costly and time-consuming repairs may need to take place.

“Think of KeyMoves as your first ergonomic tune-up for 2005,” she said, adding that the course can be found at <http://www-r.llnl.gov/keymoves/welcome.html>. The test at the end of the course must be completed to receive training credit.

Information about KeyMoves is available from a member of your ES&H Team, the 2-ERGO telephone hotline, or Terry Griffin (griffin6@llnl.gov or 2-6684).

Alexandre reminds employees that if they are experiencing discomfort they should notify their supervisor and call 2-ERGO for referral to the Early Intervention Program, a program designed to prevent injuries by providing support and self-care strategies for employees in the early stages of discomfort.

LECTURE

Continued from page 1

organizations have benefited from scenario planning.

Schwartz is co-founder of the Global Business Network, a member of the monitor group for detecting trends. He is known for stimulating leaders and organizations to imagine and prepare for surprising and uncertain futures. Schwartz is the author of “The Art of the Long View,” a publica-

tion for scenario planning and a tool for encountering inevitable uncertainty. His most recent work, “Inevitable Surprises,” describes the themes of change he sees unfolding in the future — life span, retirement, energy, and terrorism and the various scenarios that make up these themes.

BODMAN

Continued from page 1

President Bush and the American people as Secretary of Energy,” said Bodman.

“I look forward to working with the fine men and women of the Energy Department to advance this department’s critically important missions, including preserving America’s pre-eminence in the physical sciences, ensuring the responsible stewardship of our nation’s nuclear weapons

stockpile, advancing our international nuclear nonproliferation efforts, and ensuring reliable, secure, affordable and environmentally responsible supplies of energy for our growing economy.”

Prior to being tapped by President Bush to lead the Energy Department, Bodman served as both deputy secretary of the Treasury (2003-present) and deputy secretary of Commerce (2001-2003). Before joining the Bush administration, Bodman was chief executive officer of Boston-based Cabot Corporation and president and chief

operating officer of Fidelity Investments. For six years prior to joining the private sector, Bodman served as an associate professor of chemical engineering at the Massachusetts Institute of Technology.

Bodman holds a bachelor’s degree in chemical engineering from Cornell University and a doctorate in science from the Massachusetts Institute of Technology. Bodman is married to M. Diane Bodman. He has three children, two stepchildren and eight grandchildren.

1998 - Ex-cab 3/4 ton 8lug Silverado 4X4, loaded options, one owner, Silver, excellent condition. pager 05460 asking \$10.5 K 209-862-1219

VACATION RENTALS

Above Arnold on Hwy. 4. Nice modern 4bdr, 2bath cabin. Bear Valley skiing, other snow sports nearby. Weeknights \$75/night - through March. 925-245-1114

Sooooo cute beach cottage in

Santa Cruz near boat harbor. 2 bedr, 2 bath. Sun-Thurs special thru March. \$75.00/night. 925-245-1114

Perfect location for skiers! Tahoe cabin for rent 2 blocks from Heavenly. Sleeps approx 8 adults. \$400/wk, \$200/wknd. 925-240-1615

Solana Beach/Del Mar - Oceanfront condo, deluxe 2br., 2 1/2 ba., fully equipied, tennis, pool, jacuzzi, gated and covered parking, near San Diego attractions 925-443-2271

Cold Springs, CA. - Sleeps 10-12. 5 min to Pinecrest Lake and Strawberry Snow Park, 20 min to Dodge Ridge & Beardsley Reservoir, 30 min to Black Oak Indian Casino. 925-240-1206

SOUTH LAKE TAHOE - 3 Bedroom 2 Bath Chalet, comfortably furnished, all amenities,close to all skiing,RESERVE NOW FOR SKIING/WINTER FUN!! 209-599-4644

CABO SAN LUCAS: 4/16-23. Prime site/season. View Sea of

Cortez & Lands End. 5 min walk to downtown. 2bd/2bth sleeps 6-8. \$1300. Norm:\$320/night. 916-488-4278

WANTED

Medela Pump. Want to rent for a few months or purchase. Needed by May. 925-425-3373

Want 1999 or 2000 Beige Lexus SC300 w/50,000 mi or less in excellent condition. 925-443-3102

Fish tank (cylinder shaped) wanted, plus any related equipment. 925-449-7888

86 to 91 RX-7 clean and in good condition with average miles for age, No strippy models with 4 lug wheels, let me know what you got! 408-712-1730

Baby-gate needed! 209-599-7893

Wanted: used vineyard tractor and implements. Also, drag disk for crawler. 925-803-7627

Due to space limitations, Newsline may withhold ads that have already run. They will still appear on the Web.

DOE employee program offers way to report concerns

The Department of Energy has an ongoing Employee Concerns Program for DOE employees that also is available to contractor employees, including Laboratory employees, or any person working for a DOE contractor as subcontractor on a DOE project, such as supplemental labor.

The Employee Concerns Program, or ECP, may be used to report a variety of concerns, including those regarding environment, safety and health or management of DOE programs and facilities.

Concerns are processed in one of the following manners:

- Investigated or otherwise evaluated through the ECP, in coordination with DOE, NNSA or external offices when required.
- Referred to other offices or programs and tracked by the ECP until they are resolved.
- Transferred to another DOE or contractor organization with jurisdiction over the issues, should those issues be outside the scope of the ECP concerns.

ECP personnel are required to document employ-



ee concerns in sufficient detail to permit investigation and appropriate levels of review.

Confidentiality will be maintained in most circumstances. However, confidentiality cannot be protected if it puts the health and safety of a worker or the public at risk, or if the concern involves retaliation against an employee for disclosure of information concerning danger to public or worker health/safety, substantial violations of law or gross mismanagement, participation in congressional proceedings, or for refusal to participate in dangerous activities.

ECP personnel are also required to evaluate and attempt to resolve employee concerns in a manner that protects the health and safety of the public, ensures effective operation of programs and uses alternative dispute resolution techniques wherever appropriate.

If the ECP does not resolve a concern to the satisfaction of the employee, that employee must be advised if there are any offices with authority or

responsibility for addressing the subject further.

Posters detailing the ECP, its e-mail address (LSO-ECP@llnl.gov) and its 24-hour access line (1-877-884-6444 or 925-423-7222) are being posted on Laboratory and Site 300 bulletin boards.

The Laboratory continues to encourage employees to first seek resolution through their first-line supervisor or address any concerns through the Lab's myriad programs, all of which are outlined in the Employee Handbook or on the Web, <http://empguide.llnl.gov/>

Employees may seek assistance through their supervisor, the ES&H hotline (2-2922), the Security Help Desk (2-0100), the Ombuds Program, <http://www-r.llnl.gov/ombuds/> or the Employee Relations Office (2-7508).

The Lab's Whistleblower Website (<http://www-r.llnl.gov/whistleblower/>) links to Lab procedures and outlines how and to whom Lab employees may make a report. If an employee does not feel comfortable making a report to the Lab, reports can be through the University of California, state and DOE hotlines.

STOCKTON

Continued from page 1

Security at the Monterey-based Naval Postgraduate School.

Stockton spoke here last Friday on "Preventing Terrorism in the Homeland" as part of the continuing lecture program exchange between the Laboratory and the Naval Postgraduate School, sponsored by the Lab's University Relations Program.

"We're doing great in terms of response and recovery capabilities because of the skill set we've acquired in dealing with natural hazards like hurricanes, like chemical spills, like earthquakes," Stockton said. "That builds a capability that's a lot like the response and recovery from terrorism."

And since 9/11, Stockton stated that the United States is getting even better in the area of response and recovery with the formulation of the National Response Plan and the National Incident Management System.

"Where is the equivalent of that for prevention?" Stockton asked. "It isn't there and there's no sign of it coming."

However, one helping hand will come from Homeland Security Presidential Directive (HSPD) 8, which will provide some assistance

in the area of prevention, according to Stockton. This presidential directive establishes policies to strengthen the preparedness of the United States for homeland security.

"When we build preparedness for homeland security under HSPD 8, it's not going to include only terrorism, but we're going to worry a lot about earthquakes and hurricanes. The further we recede from 9/11, the less that people are going to want to spend money on prevention and preparedness for terrorism."

While the HSPD 8 is a good document, in Stockton's opinion, it needs to deal with prevention at a greater level of strategy and plans, and also include a larger focus on terrorism defense inside the United States.

During his 30-minute presentation, Stockton considered several other aspects of terrorism prevention, including the confusion between the terms "homeland security" and "homeland defense."

"There is potentially a gigantic role for the Department of Defense in being the lead federal agency for prevention inside the United States, if the President determines that the attack that's occurred is a kind of direct attack," he said.

If the Department of Defense is involved, questions will arise, such as what happens to state and local authorities and how the integration team is built with the DoD as the lead

agency, he said.

Stockton, who doubles as associate provost at the Naval Postgraduate School, also tossed out for discussion what he termed a "wild idea," saying he believes terrorism prevention is best done by the states and localities rather than by the federal government.

"I believe that, although for hundreds of years the federal government has been responsible for the national security of the United States, and especially the Department of Defense, that's been turned on its head by the actual requirements of what it takes to do prevention in the U.S. when you think that maybe sleeper cells are operating.

"(It's also) when you think that maybe a cop making a traffic stop, who has probable cause to look inside that trunk and sees something interesting, is going to be the best source of intelligence information," Stockton added.

During his talk, Stockton also lauded the efforts of Livermore counterterrorism and homeland security researchers.

"One of the things that I think is so great about the effort here at the Laboratory to deal with homeland defense and security is that you have an integrated way of looking at the challenge that includes activities abroad, counter and nonproliferation, all the way to radiation detectors in major urban areas. That's great."

Having fun with science



JACQUELINE MCBRIDE/NEWSLINE

"Fun with Science" presenter Mike Revelli explains atmospheric pressure to ninth-grade science students from Oakland's Media Academy. The students toured the Lab's Discovery Center this week, participated in hands-on activities and met Lab scientists. The visit was sponsored by the Lab's Public Affairs Office and the Computation Directorate.



Newsline
UC-LLNL
PO Box 808, L-797